

**BLACK & VEATCH****PRELIMINARY  
BORING LOG**

BORING NO. TC1-E

SHEET 1 OF 4

CLIENT South Florida Water Management District				PROJECT EAA Reservoir A-1				PROJECT NO. 140297.0213				
PROJECT LOCATION Everglades, Florida				COORDINATES N 774072.2		GROUND ELEVATION (DATUM) E 760086.3		TOTAL DEPTH 100.0 (ft)		DATE START 02/24/2005		
SURFACE CONDITIONS Stripped Caprock								DATE FINISHED 02/24/2005				
SAMPLING				LOGGED BY Norm Holst				CHECKED BY		APPROVED BY		
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
CORING												
CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD						
SPT	1	5	3	5	8	0.4'	0				LIMESTONE Caprock	All calcitic material is at least partly shell fragment
							2					
SPT	2	8	8	6	14	0.5'	4				SAND; pale brownish gray, loose, wet, well graded, calcitic with some silt and trace gravel	
							6					
SPT	3	25	21	13	34	1'	8				Sandy GRAVEL; pale brownish gray, medium dense wet, calcitic, with some sand as above and trace silt	
							10					
SPT	4	5	3	18	21	0.6'	12				SAND; pale brownish gray, dense, wet, well graded, angular, calcitic, with some silt and trace gravel	C03 = 82.3%
							14					
SPT	5	15	50		50+	0.6'	16				Silty Gravelly SAND; pale brownish gray, medium dense, wet, well graded, angular, calcitic with fine, angular, gravel and silt	W = 21% Silty SAND with Gravel Hard drilling 14.5 to 15 ft. LIMESTONE
							18					
SPT	6	50/1				0'	20				Sandy GRAVEL; pale brownish gray, very dense, wet, angular calcitic with sand and trace silt	
							22					
							24				LIMESTONE	Hard drilling 22.5 ft to 24 ft; LIMESTONE Caloosahatchee Formation
							26				SAND; pale brownish gray, medium dense, wet, poorly graded, mostly fine grained, subrounded and quartzose with some medium to coarse grained, angular, calcitic sand and trace gravel	
							28					
SPT	7	6	7	9	16		30					C03 = 14.5%

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BORING NO. TC1-E

SHEET 2 OF 4

CLIENT South Florida Water Management District										PROJECT EAA Reservoir A-1										PROJECT NO. 140297.0213																																									
PROJECT LOCATION Everglades, Florida										COORDINATES N 774072.2 E 760086.3										GROUND ELEVATION (DATUM) Not Surveyed										TOTAL DEPTH 100.0 (ft)																															
SURFACE CONDITIONS Stripped Caprock										DATE START 02/24/2005										DATE FINISHED 02/24/2005																																									
SAMPLING										LOGGED BY Norm Holst										CHECKED BY										APPROVED BY																															
SAMPLE TYPE		SAMPLE NUMBER		SET 6 INCHES		2ND 6 INCHES		3RD 6 INCHES		N VALUE		SAMPLE RECOVERY		DEPTH (FEET)		SAMPLE TYPE		ELEVATION (FEET)		GRAPHIC LOG		CLASSIFICATION OF MATERIALS																				REMARKS																			
CORE SIZE		RUN NUMBER		RUN LENGTH		RUN RECOVERY		RQD RECOVERY		PERCENT RECOVERY		RQD																																																	
SPT		8		14		11		10		21		0.8'		30								SAND as above																																							
SPT		9		15		12		8		20		1'		32								SAND; pale greenish gray, loose, wet, poorly graded, fine grained, quartzose with trace medium to coarse grained, angular, calcitic sand and fine gravel																																							
SPT		10		6		4		4		8		1.1'		34								SAND; as above																																							
SPT		11		5		3		3		6		1.3'		36								SAND; as above																																							
SPT		12		26		37		45		50+		1'		38								Sandy GRAVEL; pale greenish gray, very dense, wet, angular, fine grained, calcitic with fine, subrounded quartzose, medium to coarse grained, angular, calcitic sand and trace silt																				W = 17% SAND with Silt and Gravel																			
SPT		13		5		14		13		27				40								SAND; pale greenish gray, medium dense, wet, poorly graded mostly medium grained, angular and																				W = 25% Silty SAND																			

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BORING LOG**BORING NO. TC1-E  
SHEET 3 OF 4

CLIENT South Florida Water Management District				PROJECT EAA Reservoir A-1				PROJECT NO. 140297.0213				
PROJECT LOCATION Everglades, Florida				COORDINATES N 774072.2		GROUND ELEVATION (DATUM) E 760086.3		Not Surveyed		TOTAL DEPTH 100.0 (ft)		
SURFACE CONDITIONS Stripped Caprock								DATE START 02/24/2005		DATE FINISHED 02/24/2005		
SAMPLING				LOGGED BY Norm Holst				CHECKED BY		APPROVED BY		
SAMPLE TYPE	SAMPLE NUMBER	SET 6 INCHES	2ND 6 INCHES	3RD 6 INCHES	N VALUE	SAMPLE RECOVERY	DEPTH (FEET)	SAMPLE TYPE	ELEVATION (FEET)	GRAPHIC LOG	CLASSIFICATION OF MATERIALS	REMARKS
CORING												
CORE SIZE	RUN NUMBER	RUN LENGTH	RUN RECOVERY	RQD RECOVERY	PERCENT RECOVERY	RQD						
SPT	14	13	8	7	15	0.9'	60				calclitic with some fine grained, subrounded and quartzose, trace fine, angular gravel	
							62					
							64				SAND; as above but mostly fine grained, subrounded and quartzose with some medium grained, angular, calcitic sand and trace fine gravel	C03 = 41.6%
							66					
							68					
SPT	15	16	12	13	25	0.7'	70				SAND; light greenish gray, medium dense, wet, mostly medium to coarse grained, angular calcitic sand, some fine grained, subrounded, quartzose sand, trace gravel	
							72					
							74				SAND; as above but with some gravel and trace silt	C03 = 69.1%
							76					
							78					
SPT	17	14	13	14	27	1.1'	80				SAND; light greenish gray, medium dense, wet, mostly medium to coarse grained, angular and calcitic, some fine grained, subangular and quartzose, trace calcareous gravel	
							82					
							84				SAND; as above but more fine grained quartzose sand then medium to coarse grained calcitic sand	W = 22% SAND with Silt and Gravel
							86					
							88					
SPT	19	9	8	12	20	1.1'	90				SAND; pale greenish gray, medium dense, wet, well graded, fine grained, subrounded, quartzose, sand	W = 21% SAND with Silt

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SHEET 4 OF 4

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PROJECT LOCATION Everglades, Florida										COORDINATES N 774072.2 E 760086.3										GROUND ELEVATION (DATUM) Not Surveyed										TOTAL DEPTH 100.0 (ft)																															
SURFACE CONDITIONS Stripped Caprock																				DATE START 02/24/2005										DATE FINISHED 02/24/2005																															
SAMPLING										LOGGED BY Norm Holst										CHECKED BY										APPROVED BY																															
SAMPLE TYPE		SAMPLE NUMBER		SET 6 INCHES		2ND 6 INCHES		3RD 6 INCHES		N VALUE		SAMPLE RECOVERY		DEPTH (FEET)		SAMPLE TYPE		ELEVATION (FEET)		GRAPHIC LOG		CLASSIFICATION OF MATERIALS																				REMARKS																			
CORE SIZE		RUN NUMBER		RUN LENGTH		RUN RECOVERY		RQD RECOVERY		PERCENT RECOVERY		RQD																																																	
SPT		20		14		12		15		27		1.1'		90								and medium to coarse grained, angular, calcitic sand, trace gravel																																							
														92																																															
														94								SAND; as above but trace silt																																							
														96																																															
														98																																															
SPT		21		15		12		15		27		1.2'		100								SAND; as above but poorly graded, mostly medium to coarse grained, angular, calcitic with some fine grained, subrounded, quartzose, trace silt and fine gravel																				W = 15% SAND with Silt																			
														102																																															
														104																																															
														106																																															
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